What is claimed is:

- 1. A coryneform bacterium having L-glutamic acid producing ability, wherein trehalose synthesis ability is decreased or deleted in the bacterium.
- 2. The coryneform bacteria according to claim 1, wherein the trehalose synthesis ability is decreased or deleted by introducing a mutation into a chromosomal gene coding for an enzyme in trehalose systhesis pathway or disrupting the gene.
  - 3. The coryneform bacteria according to claim 2, wherein the gene coding for the enzyme in trehalose synthesis pathway consists of a gene coding for trehalose-6-phosphate synthase, a gene coding for maltooligosyltrehalose synthase, or both of these genes.
  - 4. The coryneform bacteria according to claim 3, wherein the gene coding for trehalose-6-phosphate synthase codes for the amino acid sequence of SEQ ID NO: 30, and the gene coding for maltooligosyltrehalose synthase codes for the amino acid sequence of SEQ ID NO: 32.
    - 5. A method for producing L-glutamic acid comprising the steps of culturing a coryneform bacterium according to any one of claims 1-4 in a medium to produce and accumulate L-glutamic acid in the medium, and collecting the L-glutamic acid from the medium.
    - 6. A DNA coding for a protein defined in the following (A) or (B):

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activity.

- (A) a protein having the amino acid sequence of SEQ ID NO: 30,
- (B) a protein having the amino acid sequence of SEQ ID NO: 30 including substitution, deletion, insertion or addition of one or several amino acid residues and having trehalose-6-phosphate synthase
- 7. A DNA according to claim 6, which is a DNA defined in the following (a) or (b):
- (a) a DNA containing a nucleotide sequence comprising at least the residues of nucleotide numbers 484-1938 in the nucleotide sequence of SEQ ID NO: 29,
- (b) a DNA hybridizable with a nucleotide sequence comprising at least the residues of nucleotide numbers 484-1938 in the nucleotide sequence of SEQ ID NO: 29 under a stringent condition, showing homology of 55% or more to the foregoing nucleotide sequence, and coding for a protein having trehalose-6-phosphate synthase activity.
- 8. A DNA coding for a protein defined in the following (A) or (B):
  - (A) a protein having the amino acid sequence of SEQ ID NO: 32,
- (B) a protein having the amino acid sequence of SEQ ID NO: 32 including substitution, deletion, insertion or addition of one or several amino acid residues and having maltooligosyltrehalose synthase

activity.

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- 9. A DNA according to claim 8, which is a DNA defined in the following (a) or (b):
- (a) a DNA containing a nucleotide sequence comprising at least the residues of nucleotide numbers 82-2514 in the nucleotide sequence of SEQ ID NO: 31,
- (b) a DNA hybridizable with a nucleotide sequence comprising at least the residues of nucleotide numbers 82-2514 in the nucleotide sequence of SEQ ID NO: 31 under a stringent condition, showing homology of 60% or more to the foregoing nucleotide sequence, and coding for a protein having maltooligosyltrehalose synthase activity.